IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Docket No.: PF112P3C2US

Hu et al.

Application No.: Not Yet Assigned Group Art Unit: N/A

Filed: Concurrently Herewith Examiner: Not Yet Assigned

For: Vascular Endothelial Growth Factor 2

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of a claim of the subject application, Attorneys for Applicants hereby direct the Examiner's attention to references AA-GT listed on the attached Form PTO/SB/08.

References FZ-GT and the accompanying exhibits were brought to the attention of the Applicants in connection with an opposition to an Australian application that essentially corresponds to the U.S. priority application in this case.

Copies of references AA-AU and AY-FY were submitted by Applicants or cited by the Examiner in connection with U. S. Application No. 09/623,725, filed November 20, 2000, and references AV-AX and FZ-GT were submitted by Applicants or cited by the Examiner in connection with U.S. Application No. 10/084,488, filed February 28, 2002, to each of which the instant application claims priority under 35 U.S.C. § 120. Pursuant to 37 C.F.R. § 1.98(d), the Examiner is directed to the above-listed files for copies of references AA-GT referenced herein.

The above information is presented so that the Patent and Trademark Office can determine any materiality thereof to the claimed invention. See 37 CFR 1.104(a) concerning

the PTO duty to consider and use any such information. It is respectfully requested that the information be considered during the prosecution of this application.

Identification of the listed reference(s) is not to be construed an admission of any individual associated with the filing or prosecution of the subject application that such references are available as "prior art" against the subject application. Furthermore, Applicants do not waive any rights to appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the subject application.

Applicants respectfully request that the Examiner acknowledge receipt of the abovereferenced documents in the file of the instant application.

Pursuant to 37 C.F.R. § 1.97(b), since this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits, no fee is due in connection herewith. However, should the Patent Office determine otherwise, please charge the required fee to our Deposit Account No. 08-3425.

Dated: October 30, 2003

Respectfully submitted,

Melissa J. Pytel

Registration No.: 41,512

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MMW/MJP/ba

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3.1	ALEMENT DI	AIILI	CANI	First Named Inventor	HU et al.	
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Sheet	1	of	11	Attorney Docket Number	PF112P3C2US	

			U.S. PATENT DOCUMENTS		
Examiner Initials	Cite No. 1	U.S. Patent Document Kind Code ² Number (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	6,040,157	Hu et al.	03-21-2000	
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		,		F	OREIGN PATENT DOCUMEN	TS		
Examiner Initials	No. 1	Foreign Patent Document Kind Code ⁵ Office ³ Number ⁴ (if known)			0. 0.00 200	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	16
		wo	99/46364		Human Genome Sciences, Inc.	09-16-1999		
		wo	98/33917		Ludwig Institute for Cancer Research/Univ. Helsinki Licensing Ltd.	06-08-1998		
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	BJ	wo	92/14748		American Cyanamid Co.	09-03-1992		T
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	ВО	wo	98/49300		Collateral Therapeutics	11-05-1998		T
		wo	98/39035		The Wistar Institute of Anatomy & Biology	09-11-1998		I
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		Office ³	Number⁴	(if known)		MM-DD-YYYY	Figures Appear	Įτ
	BR	wo	98/06844	.	Human Genome Sciences,	02-19-1998		
					Inc.		Į	
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	BX	wo	97/17442	2	Immunex Corporation	05-15-1997		T

		OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Γ ²
	BY	ACHEN et al., "Vascular endothelial growth factor D (VEGF-D) is a ligand for the tyrosine kinases VEGF receptor-2 (Flk1) and VEGF receptor 3 (Flt4)," Proc. Natl. Acad. Sci. (USA), 95(2): 548-553 (1998).	
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	CB	ANDERSSON W.F., "Human gene therapy," Science, 256:808-813 (1992).	П
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		OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS	_		
Examiner Initials	No. 1 No. 1 rem (book, magazine, journar, seriar, symposium, caunog, etc.), date, page(s), volume to publisher, city and/or country where published.				
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	CR	GEORGE et al., "Current Methods in Sequence Comparison and Analysis," Macromolecular Seq. and Syn. Selected Meth – Application (Alan R. Liss), pp. 127-149 (1988)			
	CS	HU et al., "A novel regulatory function of proteolytically cleaved VEGF-2 for vascular endothelial smooth muscle cells." FASEB J., 11:498-504 (1997).			
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		OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T^2
	CW	KECK et al., "Vascular permeability factor, an endothelial cell mitogen related to PDGF,"	
	CV	Science 246: 1309 (1989).	Н
	CX	KINGSLEY, D., "The TGF-β superfamily: new members, new receptors, and new genetic tests of function in different organisms," Genes & Development 8: 133-146 (1994).	
	CY	KUKK et al., "VEGF-C receptor binding and pattern of expression with VEGFR-3	
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	EP	GenBank Accession No. L07296, FINNERTY et al., "Mus musculus receptor tyrosine kinase (FLT4) mRNA, complete cds," August 9, 1993.	T
	EQ	GenBank Accession No. X54936, MAGLIONE et al., "H.sapiens mRNA for placenta growth factor (PIGF)," November 12, 1991.	П
	ER	GenBank Accession No. S57152, MAGLIONE <i>et al.</i> , "Homo sapiens placenta growth factor 2 (PIGF-2) gene, partial cds," March 5, 2001.	Н
	ES	GenBank Accession No. X59397, MATTHEWS et al., "Mouse Flk-1 mRNA for a	Н
		tyrosine kinase receptor," November 6, 1991.	L

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Sheet	8	of	11	Attorney Docket Number	PF112P3C2US

		OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS	
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	ET	GenBank Accession No. X52263, PAULSSON et al., "C.tentans balbiani ring 3 (BR3) gene," December 18, 1992.	
	EU	GenBank Accession No. M63971, TISCHER et al., "Human vascular endothelial growth factor gene, exon 1," August, 1993.	
	EV	GenBank Accession No. M63972, TISCHER et al., "Human vascular endothelial growth factor gene, exon 2," August 3, 1993.	
	EW	GenBank Accession No. M63973, TISCHER et al., "Human vascular endothelial growth factor gene, exon 3," August 3, 1993.	T
	EX	GenBank Accession No. M63974, TISCHER et al., "Human vascular endothelial growth factor gene, exon 4," August 3, 1993.	
	EY	GenBank Accession No. M63975, TISCHER et al., "Human vascular endothelial growth factor gene, exon 5," August 3, 1993.	
	EZ	GenBank Accession No. M63976, TISCHER et al., "Human vascular endothelial growth factor gene, exon 6," August 3, 1993.	
_	FA	GenBank Accession No. M63977, TISCHER et al., "Human vascular endothelial growth factor gene, exon 7," August 3, 1993.	
	FB	GenBank Accession No. M63978, TISCHER et al., "Human vascular endothelial growth factor gene, exon 8," August 3, 1993.	
-	FC	GenBank Accession No. M27281, KECK et al., "Human vascular permeability factor mRNA, complete cds," August 3, 1993.	
·	FD	GenBank Accession No. X04571, BELL et al., "Human mRNA for kidney epidermal growth factor (EGF) precursor," March 21, 1995.	
	FE	GenBank Accession No. X63556, CORSON et al., "H. sapiens mRNA for fibrillin," February 17, 1997.	
	FF	GenBank Accession No. L19896, CORSON et al., "Human fibrillin (FBN1) gene, 5'end including alternative exons A, B, and C, and exon M," November 8, 1994.	
	FG	GenBank Accession No. L04947, TERMAN et al., "Homo sapiens (clones BT3.081.8, BT3.129.5 and BT4.169," January 6, 1995.	
	FH	GenBank Accession No. M16237, TANAKA et al., "Human c-src-1 proto-oncogene, exor 2," January 13, 1995.	וו
	FI	GenBank Accession No. M16243, TANAKA et al., "Human c-src-1 proto-oncogene, exor 3," January 13, 1995.	1
	EJ	GenBank Accession No. M16244, TANAKA et al., "Human c-src-1 proto-oncogene, exord, January 13, 1995.	1
	FK	GenBank Accession No. M16245, TANAKA et al., "Human c-src-1 proto-oncogene, exor. 5," January 13, 1995.	+

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31	ATEMENT DI A		CAN	First Named Inventor	HU et al.	
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	FL	GenBank Accession No. K03212, ANDERSON et al., "Human c-src-1 proto-oncogene, exon 6," January 13, 1995.	T
	FM	GenBank Accession No. K03213, ANDERSON et al., "Human c-src-1 proto-oncogene, exon 7," January 13, 1995.	T
-	FN	GenBank Accession No. K03214, ANDERSON et al., "Human c-src-1 proto-oncogene, exon 8", January 13, 1995.	Ī
	FO	GenBank Accession No. K03215, ANDERSON et al., "Human c-src-1 proto-oncogene, exon 9," January 13, 1995.	T
	FP	GenBank Accession No. K03216, TANAKA et al., "Human c-src-1 proto-oncogene, exon 10, January 13, 1995.	T
	FQ	GenBank Accession No. K03217, TANAKA et al., "Human c-src-1 proto-oncogene, exon 11," January 13, 1995.	T
-	FR	GenBank Accession No. K03218, TANAKA et al., "Human c-src-1 proto-oncogene, exon 12," January 13, 1995.	T
	FS	GenBank Accession No. M13994, TSUJIMOTO et al., "Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds," October 31, 1994.	
	FT	GenBank Accession No. M13995, TSUJIMOTO et al., "Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-3-beta protein, complete cds," October 31, 1994.	T
- "	FU	GenBank Accession No. L22473, OLTVAI et al., "Human Bax alpha mRNA, complete cds, "December 15, 1993.	Ī
	FV	GenBank Accession No. L22474, OLTVAI et al., "Human Bax beta mRNA, complete cds," December 13, 1993.	Ī
	FW	GenBank Accession No. AJ000185, ACHEN et al., "Homo Sapiens mRNA for vascular endothelial growth factor-D," February 11, 1998.	İ
	FX	International Search Report, Application No. PCT/US99/05021.	t
		International Search Report, Application No. PCT/US94/05291.	t

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Sheet	10	of	11	Attorney Docket Number	PF112P3C2US

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	and/or country where published.	Γ²
	FZ	Statutory Declaration of John Stanley Mattick, executed on December 12, 2000, and Exhibits JSM1-JSM4	
	GA	Statutory Declaration of Nicholas Kim Hayward, executed on December 8, 2000, and Exhibits NKH1-2	
	GB	Statutory Declaration of Jennifer Ruth Gamble, executed on December 12, 2000, and Exhibits JRG1-3	
	GC	Statutory Declaration of Tom Rapoport, executed on December 13, 2000, and Exhibits TP1-2	
	GD	Statutory Declaration of Stuart A. Aaronson, executed on December 14, 2000, and Curriculum Vitae of Stuart A. Aaronson	
	GE	Statutory Declaration of Susan Power, executed on December 13, 2000, Appendices 1-2 and Figure 1	
	GF	Statutory Declaration of Gary Baxter Cox, executed on December 13, 2000, and Exhibits GBC-1 – GBC 23	
	GG	Statutory Declaration of Peter Adrian Walton Rogers, executed on November 12, 2001, and exhibits PAWR-1 through PAWR-14	
	GH	Statutory Declaration of Peter Adrian Walton Rogers, executed on February 16, 2000, and exhibit 1	
	GI	Statutory Declaration of Kari Alitalo executed on February 15, 2000, and exhibits 1-	
	GJ	Statutory Declaration of Francis John Ballard, executed on February 16, 2000, and exhibit 1	
	GK	Statutory Declaration of Kari Alitalo, executed on September 24, 2001, and exhibits 1-2	
	GL	Statutory Declaration of Francis John Ballard, executed on December 12, 2001 and exhibit 1	
	GM	Statutory Declaration of Susan Power, executed on March 22, 2002, and accompanying Appendices I to IV	
	GN	Statutory Declaration of Nicholas Kim Hayward, executed on March 26, 2002	_
	GO	Statutory Declaration of Stuart A. Aaronson, executed on March 22, 2002, and accompanying Appendices I to III	

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	GP	Statutory Declaration of Gary Baxter Cox, executed on March 22, 2002, and	
		accompanying Exhibit GBC-24 (which is a copy of a Statutory Declaration by Peter	
		Adrian Walters dated October 26, 2001 together with Exhibit 1 served in opposition	
		by Ludwig Institute for Cancer Research against Australian Patent Application	
		710696 in the name of Genentech, Inc.).	
	GQ	Statutory Declaration of Francis John Ballard, executed on July 16, 2002	
	GR	Statutory Declaration of Kari Alitalo and exhibit 1, executed on July 16, 2002	
	GS	Statutory Declaration of Peter Adrian Walton Rogers, executed on August 9, 2002	
	GT	Statutory Declaration of Kari Alitalo and exhibits KA-1 and KA-2, executed on	
	<u>. </u>	August 14, 2002	

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